

IDENTIFICATION

PRODUCT CODE: MAINDEC-8E-D0IB-D
PRODUCT NAME: BASIC JMP-JMS TEST
DATE CREATED: JUNE 11, 1971
MAINTAINER: DIAGNOSTICS GROUP
AUTHOR: BRUCE HANSEN

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1880-1881 1882-1883
1883-1884 1884-1885
1885-1886 1886-1887
1887-1888 1888-1889
1889-1890 1890-1891

1. ABSTRACT

THIS IS A DIAGNOSTIC PROGRAM FOR TESTING THE JMP AND JMS INSTRUCTIONS OF THE PDP-8E.

2. REQUIREMENTS

EQUIPMENT

A PDP-8E EQUIPPED WITH TELETYPE.

2.2 STORAGE

THIS PROGRAM USES MOST OF MEMORY. THE BINARY LOADER MUST BE STORED IN THE LAST MEMORY PAGE.

2.3 PRELIMINARY PROGRAMS

MAINDEC-8E-DBA(N) AND MAINDEC-8E-DBB(N)

3. LOADING PROCEDURE

3.1 METHOD

THE STANDARD BINARY LOADER IS USED.

4. STARTING PROCEDURE

4.1 CONTROL SWITCH SETTINGS (NONE)

4.2 STARTING ADDRESS

200

4.3 RESTART ADDRESSES

600

704

4.4 OPERATOR ACTION

A. SET BR TO 200 AND PRESS LOAD ADDRESS.

B. PUSH CLEAR AND THEN CONTINUE. THE PROGRAM WILL STORE PARTS OF THE RIM AND BINARY LOADERS THAT WILL BE DESTROYED, AND THEN JMP TO 4200 TO BEGIN TESTING.

5. OPERATING PROCEDURES

5.1 PROGRAM RESTARTS

SINCE THE LOADERS ARE ALREADY STORED, A PROGRAM RESTART SHOULD BEGIN AT 600 NOT 200.

5.2 PROGRAM END

TO RESTORE THE LOADERS AT THE CONCLUSION OF THE TEST, START AT 704. WHEN THE PROGRAM HALTS, RESTORATION IS COMPLETED (PC=736).

6. ERRORS

6.1 ERROR HALTS AND DESCRIPTION

SEE SECTION 9.

6.2 ERROR RECOVERY

IN MOST CASES IT IS POSSIBLE TO INSERT A JMP INSTRUCTION IN THE ERROR HALT POSITION TO RETURN THE PROGRAM TO THE FAILING TEST. THIS FORMS A PROGRAM LOOP ON THE FAILING TEST AND ALLOWS THE PROBLEM TO BE INVESTIGATED WITH AN OSCILLOSCOPE. IN CASES WHERE A SCOPE MODE LOOP CANNOT BE MAINTAINED DUE TO THE INSTABILITY OF THE JMP OR JMS INSTRUCTION AND ITS FAILING CONDITION, IT WILL PROBABLY BE ADVANTAGEOUS TO SIMULATE THIS SAME PROBLEM USING THE RANDOM JMP TEST, MAINDEC-8E-DBHC, OR RANDOM JMP-JMS TEST, MAINDEC-8E-DBJC.

7. RESTRICTIONS (NONE)

8. MISCELLANEOUS

8.1 EXECUTION TIME

THREE HUNDRED AND FORTY-FIVE PROGRAM LOOPS PER SECOND. A BELL IS SOUNDED EVERY 10 SECONDS, WHICH EQUALS 3456 PROGRAM LOOPS.

9. PROGRAM DESCRIPTION

THE PROGRAM IS MADE UP OF 82 INDIVIDUAL TESTS FOR JMP AND JMS. AN OCTAL COUNTER LOCATED AT MEMORY LOCATION 0136 ALWAYS HOLDS THE NUMBER OF THE PRESENT TEST. FOR TEST 1 LOCATION, 0136 CONTAINS 0000 AND FOR TEST 82, 0136 CONTAINS 0121. EACH TEST PERFORMS THE FOLLOWING FUNCTIONS:

- A. CHECK LOCATION 0136 FOR PROPER TEST NUMBER.
- B. PERFORMS ADDITIONAL CHECKING SUCH AS VERIFICATION OF THE STORED PC (PROGRAM COUNTER) ON A JMS.
- C. ADVANCES TEST COUNTER.
- D. SETS UP FOR NEXT TEST.
- E. JMP'S OR JMS'S TO THE NEXT TEST. THESE JMP AND JMS INSTRUCTIONS ARE THE ONES BEING TESTED.

IF THE PC DOES NOT ARRIVE AT THE PROPER PLACE AFTER PERFORMING STEPS ABOVE, IT EITHER FALLS INTO THE BACKGROUND FIELD OF HLT'S OR INTO ANOTHER AREA OF THE PROGRAM. IF THE FIELD OF HLT'S IS ENCOUNTERED, THE PROGRAM HALTS IMMEDIATELY. IF A PROGRAM FIELD IS ENTERED, IT IS MOST LIKELY THAT THE PROGRAM WILL HALT WHEN THE TEST COUNTER CHECK IS MADE (LOCATION 136 EQUALS THE TEST COUNT). IN A FEW REMOTE CASES IT IS POSSIBLE FOR THE TEST COUNTER TO BE ADVANCED BY ONE, FOLLOWING THE ERRONEOUS JMP OR JMS AND BEFORE THE HALT. IT IS ALSO POSSIBLE FOR THE PROGRAM, ON A ERROR CONDITION, TO ENTER THE LOADERS STORED IN THE LAST MEMORY PAGE. ALL OF THESE POSSIBILITIES SHOULD BE KEPT IN MIND WHEN ANALYZING AN ERROR.

TEST 8 THROUGH 19 ARE TESTS FOR SAME PAGE JUMPING USING DIRECT ADDRESSING, TESTS 20 THROUGH 45 TEST THE JMP INSTRUCTION WITH INDIRECT ADDRESSING. IN THESE CASES, THE ADDRESS THAT THE PROGRAM JUMPS TO IS ALWAYS THE COMPLEMENT OF ITS PRESENT ADDRESS. JMS TESTS 1 THROUGH 12 ARE TESTS FOR THE SAME PAGE USING DIRECT ADDRESSING. JMS TESTS 13 THROUGH 35 TEST JMS IN THE SAME MANNER AS JMP IS TESTED IN TEST 20 THROUGH 45.

THE TELETYPE BELL IS SOUNDED EVERY 10 SECONDS (3456 PROGRAM CYCLES).

/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71 15147 PAGE 1
 /BASIC JMP-JMS TEST

0000	*0
0000	0000
0001	5001
0002	0002
0003	0003
0004	0000
0005	0000
0006	7402
0007	7402
0010	7402
0011	7402
0012	7402
0013	7402
0014	7402
0015	7402
0016	7402
0017	7402
0020	7402
0021	7402
0022	*22
0022	0000
0023	0001
0024	0002
0025	0004
0026	0010
0027	0020
0030	0040
0031	0100
0032	0200
0033	0400
0034	1000
0035	2000
0036	4000
0037	3777
0042	*42
0042	5777
0043	6777
0044	7377
0045	7577
0046	7677
0047	7737
0050	7757
0051	7767
0052	7773
0053	7775
0054	7776
0055	7777
0056	4620
0057	4640
0060	4660
0061	4700
0062	4720

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0063 4740   K4740, 4740
0064 4760   K4760, 4760
0065 5020   K5020, 5020
0066 5020   K5020, 5020
0067 5040   K5040, 5040

0070 5060   K5060, 5060
0071 5120   K5120, 5120
0072 5120   K5120, 5120
0073 5140   K5140, 5140
0074 5160   K5160, 5160
0075 5200   K5200, 5200
0076 5220   K5220, 5220
0102 5240   *102
0103 5260   K5260, 5260
0104 5300   K5300, 5300
0105 5320   K5320, 5320
0106 5340   K5340, 5340
0107 5360   K5360, 5360
0110 5400   K5400, 5400
0111 5420   K5420, 5420
0112 5440   K5440, 5440
0113 7777   M1, -1
0114 7776   M2, -2
0115 7775   M3, -3
0116 7774   M4, -4
0117 7773   M5, -5
0120 7772   M6, -6
0121 7771   M7, -7
0122 7770   M10, -10
0123 7767   M11, -11
0124 7766   M12, -12
0125 7765   M13, -13
0126 7764   M14, -14
0127 7763   M15, -15
0128 7762   M16, -16
0131 7761   M17, -17
0132 7760   M28, -28
0133 7757   M21, -21
0134 7756   M22, -22
0135 7755   M23, -23
0136 8000   PNTCNT, 0
0137 2410   K2410, 2410
0140 2440   K2440, 2440
0141 2470   K2470, 2470
0142 2520   K2520, 2520
0143 2600   K2600, 2600
0144 2630   K2630, 2630
0145 2660   K2660, 2660
0146 2710   K2710, 2710
0147 2740   K2740, 2740
0150 3000   K3000, 3000
0151 3030   K3030, 3030

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0152 3060   K3060, 3060
0153 3110   K3110, 3110
0154 3140   K3140, 3140
0155 3200   K3200, 3200

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0156 3230   K3230, 3230
0157 3260   K3260, 3260
0160 3310   K3310, 3310
0161 3340   K3340, 3340
0162 3400   K3400, 3400
0163 3430   K3430, 3430
0164 3460   K3460, 3460
0165 3510   K3510, 3510
0166 3540   K3540, 3540

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0170  *170
0170  0000   00, 0
0171  1175   TAD K7402
0172  3410   DCA I 10
0173  1010   TAD 10
0174  5570   JMP I DO
0175  7402   K7402, 7402

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0200  *200
0200  5601   JMP I SAVER
0201  0600   SAVER, SAVE

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/STORE LOADER INSTRUCTIONS
/THAT WILL BE DESTROYED

0600  *600

0600  7200   SAVE, CLA
0601  1453   TAD I K7775
0602  3343   DCA STOR
0603  1452   TAD I K7773
0604  3344   DCA STOR+1
0605  1736   TAD I K74
0606  3345   DCA STOR+2
0607  1451   TAD I K7767
0610  3346   DCA STOR+3
0611  1737   TAD I K78
0612  3347   DCA STOR+4
0613  1450   TAD I K7757
0614  3350   DCA STOR+5
0615  1740   TAD I K60
0616  3351   DCA STOR+6
0617  1447   TAD I K7737
0620  3352   DCA STOR+7
0621  1741   TAD I K740
0622  3353   DCA STOR+10

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0623 1446      TAD I K7677
0624 3354      DCA STOR+11
0625 1742      TAD I K00
0626 3355      DCA STOR+12
0627 1455      TAD I K7777
0630 3356      DCA STOR+13
0631 7300      HALT1, CLA CLL
0632 1264      TAD K175
0633 3010      DCA 10
0634 4170      JMS DO
0635 1265      TAD M577
0636 7640      SEA CLA
0637 5234      JMP .3
0640 1266      HALT2, TAD K756
0641 3010      DCA 10
0642 4170      JMS DO
0643 1267      TAD M5777
0644 7640      SEA CLA
0645 5242      JMP .3
0646 1270      HALT3, TAD K3572
0647 3010      DCA 10
0650 4170      JMS DO
0651 1271      TAD M4177
0652 7640      SEA CLA
0653 5250      JMP .3
0654 1272      HALT4, TAD K5451
0655 3010      DCA 10
0656 4170      JMS DO
0657 1273      TAD M7600
0660 7640      SEA CLA
0661 5256      JMP .3
0662 5300      JMP RESTAR
0663 4200      BEGIN
0664 0175      K175, 175
0665 7201      M577, -577
0666 0756      K756, 756
0667 6081      M1777, -1777
0670 3572      K3572, 3572
0671 3601      M4177, -4177
0672 5451      K5451, 5451
0673 0200      M7600, -7600

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/RESTORE LOADER INSTRUCTIONS

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0700 *700
0700 1303      RESTAR, TAD RENEW
0701 3200      DCA SAVE
0702 5303      JMP RENEW
0703 5663      RENEW, JMP I HALT4+7
0704 7200      REFILL, CLA
0705 1343      TAD STOR
0706 3453      DCA I K7775
0707 1344      TAD STOR+1
0710 3452      DCA I K7773

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0711 1345      TAD STOR+2
0712 3736      DCA I K74
0713 1346      TAD STOR+3
0714 3451      DCA I K7767
0715 1347      TAD STOR+4
0716 3737      DCA I K78
0717 1350      TAD STOR+5
0720 3450      DCA I K7757
0721 1351      TAD STOR+6
0722 3740      DCA I K60
0723 1352      TAD STOR+7
0724 3447      DCA I K7737
0725 1353      TAD STOR+10
0726 3741      DCA I K740
0727 1354      TAD STOR+11
0730 3446      DCA I K7677
0731 1355      TAD STOR+12
0732 3742      DCA I K00
0733 1356      TAD STOR+13
0734 3455      DCA I K7777
0735 7402      HLT

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/CONSTANTS

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0736 7774      K74, 7774      /STORE LOC 7775
0737 7770      K70, 7770
0740 7760      K60, 7760
0741 7740      K740, 7740
0742 7700      K00, 7700
0743 0000      STOR, 0      /+1 STORE LOC 7773
0744 0000      0      /+2 STORE LOC 7774
0745 0000      0      /+3 STORE LOC 7767
0746 0000      0      /+4 STORE LOC 7770
0747 1742      -6036      /+5 STORE LOC 7757
0750 0000      0      /+6 STORE LOC 7760
0751 0000      0      /+7 STORE LOC 7737
0752 0000      0      /+10 STORE LOC 7740
0753 0000      0      /+11 STORE LOC 7677
0754 0000      0      /+12 STORE LOC 7700
0755 0000      0      /+13 STORE LOC 7777

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4200 4200      *4200
4200 7200      BEGIN, CLA
4201 3136      DCA PNTCNT
4202 5203      /JUMP TEST @ COUNTER=0
4203 1136      JMP .+1
4204 7440      TAD PNTCNT
4205 7402      SEA      /CHECK COUNTER
4206 1136      HLT      /JMP COUNTER WRONG
4206 1136      TAD PNTCNT

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4207 7021 IAC /ADVANCE COUNTER
4210 3136 DCA PNTCNT

        /JUMP TEST 1 COUNTER=1
4211 5213 JMP .+2
4212 7482 HLT /JMP FAILED
4213 1136 TAD PNTCNT
4214 1113 TAD M1
4215 7440 S2A /CHECK COUNTER
4216 7482 HLT /JMP COUNTER WRONG
4217 1136 TAD PNTCNT
4220 7081 IAC /ADVANCE COUNTER
4221 3136 DCA PNTCNT

        /JUMP TEST 2 COUNTER=2
4222 5225 JMP .+3
4223 7482 HLT /JMP FAILED
4224 7482 HLT
4225 1136 TAD PNTCNT
4226 1114 TAD M2
4227 7440 S2A /CHECK COUNTER
4230 7482 HLT /JMP COUNTER WRONG
4231 1136 TAD PNTCNT
4232 7081 IAC /ADVANCE COUNTER
4233 3136 DCA PNTCNT

        /JUMP TEST 3 COUNTER=3
4234 5240 JMP .+4
4235 7482 HLT /JMP FAILED
4236 7482 HLT /
4237 7482 HLT
4240 1136 TAD PNTCNT
4241 1115 TAD M3
4242 7440 S2A /CHECK COUNTER
4243 7482 HLT /JMP COUNTER WRONG
4244 1136 TAD PNTCNT
4245 7081 IAC /ADVANCE COUNTER
4246 3136 DCA PNTCNT

        /JUMP TEST 4 COUNTER=4
4247 8254 JMP .+5
4250 7482 HLT /JMP FAILED
4251 7482 HLT /
4252 7482 HLT /
4253 7482 HLT /
4254 1136 TAD PNTCNT
4255 1116 TAD M4
4256 7440 S2A /CHECK COUNTER
4257 7482 HLT /JMP COUNTER WRONG
4260 1136 TAD PNTCNT
4261 7081 IAC /ADVANCE COUNTER
4262 3136 DCA PNTCNT

/JUMP TEST 5 COUNTER=5

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4263 8271 JMP .+6
4264 7482 HLT /JMP FAILED
4265 7482 HLT /
4266 7482 HLT /
4267 7482 HLT /
4270 7482 HLT /
4271 1136 TAD PNTCNT
4272 1117 TAD M5
4273 7440 S2A /CHECK COUNTER
4274 7482 HLT /JMP COUNTER WRONG
4275 1136 TAD PNTCNT
4276 7081 IAC /ADVANCE COUNTER
4277 3136 DCA PNTCNT


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/JUMP TEST 6 COUNTER=6
4300 5387 JMP .+7
4302 7482 HLT /JMP FAILED
4303 7482 HLT /
4304 7482 HLT /
4305 7482 HLT /
4306 7482 HLT /
4307 1136 TAD PNTCNT
4310 1120 TAD M6
4311 7440 S2A /CHECK COUNTER
4312 7482 HLT /JMP COUNTER WRONG
4313 1136 TAD PNTCNT
4314 7081 IAC /ADVANCE COUNTER
4315 3136 DCA PNTCNT


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/JUMP TEST 7 COUNTER=7
4316 8326 JMP .+10
4317 7482 HLT /JMP FAILED
4320 7482 HLT /
4321 7482 HLT /
4322 7482 HLT /
4323 7482 HLT /
4324 7482 HLT /
4325 7482 HLT /
4326 1136 TAD PNTCNT
4327 1121 TAD M7
4330 7440 S2A /CHECK COUNTER
4331 7482 HLT /JMP COUNTER WRONG
4332 1136 TAD PNTCNT
4333 7081 IAC /ADVANCE COUNTER
4334 3136 DCA PNTCNT


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/JUMP TEST 8 COUNTER=10
4335 8346 JMP .+11
4336 7482 HLT /JMP FAILED
4337 7482 HLT /
4340 7482 HLT /
4341 7482 HLT /
4342 7482 HLT /

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4343	7422	HLT	/
4344	7422	HLT	/
4345	7422	HLT	/
4346	1136	TAD PNTCNT	
4347	1122	TAD M10	
4350	7440	SZA	/CHECK COUNTER
4351	7422	HLT	/JMP COUNTER WRONG
4352	1136	TAD PNTCNT	
4353	7021	IAC	/ADVANCE COUNTER
4354	3136	DCA PNTCNT	

4355	5367	/JUMP TEST 9 COUNTER=11	
4356	7402	HLT	/JMP FAILED
4357	7402	HLT	/
4360	7402	HLT	/
4361	7402	HLT	/
4362	7402	HLT	/
4363	7402	HLT	/
4364	7402	HLT	/
4365	7402	HLT	/
4366	7402	HLT	/
4367	1136	TAD PNTCNT	
4370	1123	TAD M11	
4371	7440	SZA	/CHECK COUNTER
4372	7402	HLT	/JMP COUNTER WRONG
4373	1136	TAD PNTCNT	
4374	7001	IAC	/ADVANCE COUNTER
4375	3136	DCA PNTCNT	
4376	7000	NOP	
4377	7000	NOP	

4400	5400	/JUMP TEST 10 COUNTER=12	
4401	5201	JMP .+1	
4402	1136	TAD PNTCNT	
4403	1124	TAD M12	
4403	7440	SZA	/CHECK COUNTER
4404	7402	HLT	/JMP COUNTER WRONG
4405	1136	TAD PNTCNT	
4406	7001	IAC	/ADVANCE COUNTER
4407	3136	DCA PNTCNT	
4410	5212	/JUMP TEST 11 COUNTER=13	
4411	7402	JMP .+2	
4412	1136	HLT	/JMP FAILED
4413	1125	TAD PNTCNT	
4414	7440	TAD M13	
4415	7402	SZA	/CHECK COUNTER
4416	1136	HLT	/JMP COUNTER WRONG
4417	7001	TAD PNTCNT	
4420	3136	IAC	/ADVANCE COUNTER
		DCA PNTCNT	

4421	5224	/JUMP TEST 12 COUNTER=14	
4422	7402	JMP .+3	
4423	7402	HLT	/JMP FAILED
4424	1136	TAD PNTCNT	
4425	1126	TAD M14	
4426	7440	SZA	/CHECK COUNTER
4427	7402	HLT	/JMP COUNTER WRONG
4430	1136	TAD PNTCNT	
4431	7001	IAC	/ADVANCE COUNTER
4432	3136	DCA PNTCNT	

4433	5237	/JUMP TEST 13 COUNTER=15	
4434	7402	JMP .+4	
4435	7402	HLT	/JMP FAILED
4436	7402	HLT	/
4437	1136	TAD PNTCNT	
4440	1127	TAD M15	
4441	7440	SZA	/CHECK COUNTER
4442	7402	HLT	/JMP COUNTER WRONG
4443	1136	TAD PNTCNT	
4444	7001	IAC	/ADVANCE COUNTER
4445	3136	DCA PNTCNT	

4446	5253	/JUMP TEST 14 COUNTER=16	
4447	7402	JMP .+5	
4450	7402	HLT	/JMP FAILED
4451	7402	HLT	/
4452	7402	HLT	/
4453	1136	TAD PNTCNT	
4454	1136	TAD M16	
4455	7440	SZA	/CHECK COUNTER
4456	7402	HLT	/JMP COUNTER WRONG
4457	1136	TAD PNTCNT	
4460	7001	IAC	/ADVANCE COUNTER
4461	3136	DCA PNTCNT	

4462	5270	/JUMP TEST 15 COUNTER=17	
4463	7402	JMP .+6	
4464	7402	HLT	/JMP FAILED
4465	7402	HLT	/
4466	7402	HLT	/
4467	7402	HLT	/
4470	1136	TAD PNTCNT	
4471	1131	TAD M17	
4472	7440	SZA	/CHECK COUNTER
4473	7402	HLT	/JMP COUNTER WRONG
4474	1136	TAD PNTCNT	
4475	7001	IAC	/ADVANCE COUNTER
4476	3136	DCA PNTCNT	

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        /JUMP TEST 16 COUNTER =20
4477  5326    JMP .+7
4500  7482    HLT      /JMP FAILED
4501  7482    HLT      /
4502  7482    HLT      /
4503  7482    HLT      /
4504  7482    HLT      /
4505  7482    HLT      /
4506  1136    TAD PNTCNT
4507  1132    TAD M28
4510  7440    S2A      /CHECK COUNTER
4511  7482    HLT      /JMP COUNTER WRONG
4512  1136    TAD PNTCNT
4513  7881    IAC      /ADVANCE COUNTER
4514  3136    DCA PNTCNT

        /JUMP TEST 17 COUNTER=21
4515  9325    JMP .+18
4516  7482    HLT      /JMP FAILED
4517  7482    HLT      /
4520  7482    HLT      /
4521  7482    HLT      /
4522  7482    HLT      /
4523  7482    HLT      /
4524  7482    HLT      /

4525  1136    TAD PNTCNT
4526  1133    TAD M21
4527  7440    S2A      /CHECK COUNTER
4528  7482    HLT      /JMP COUNTER WRONG
4531  1136    TAD PNTCNT
4532  7881    IAC      /ADVANCE COUNTER
4533  3136    DCA PNTCNT

        /JUMP TEST 18 COUNTER=22
4534  9345    JMP .+11
4535  7482    HLT      /JMP FAILED
4536  7482    HLT      /
4537  7482    HLT      /
4540  7482    HLT      /
4541  7482    HLT      /
4542  7482    HLT      /
4543  7482    HLT      /
4544  7482    HLT      /
4545  1136    TAD PNTCNT
4546  1134    TAD M22
4547  7440    S2A      /CHECK COUNTER
4548  7482    HLT      /JMP COUNTER WRONG
4551  1136    TAD PNTCNT
4552  7881    IAC      /ADVANCE COUNTER
4553  3136    DCA PNTCNT

/JMP TEST 19 COUNTER=23

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/BASIC JMP-JMS TEST PAL18 V141 9-JUN-71 15:47 PAGE 1-10
4554  9366    JMP .+12
4555  7482    HLT      /JMP FAILED
4556  7482    HLT      /
4557  7482    HLT      /
4558  7482    HLT      /
4561  7482    HLT      /
4562  7482    HLT      /
4563  7482    HLT      /
4564  7482    HLT      /
4565  7482    HLT      /
4566  1136    TAD PNTCNT
4567  1135    TAD M23
4570  7440    S2A      /CHECK COUNTER
4571  7482    HLT      /JMP COUNTER WRONG
4572  1136    TAD PNTCNT
4573  7881    IAC      /ADVANCE COUNTER
4574  3136    DCA PNTCNT
4575  7888    NOP
4576  7888    NOP
4577  7888    NOP

        /JMP TEST 20 COUNTER=24
4688  1285    TAD PK1
4681  3495    DCA I K7777
4682  1286    TAD PK2
4683  3422    DCA I K8
4684  8455    JMP I K7777
4685  8422    PK1,   JMP I K8
4686  8486    PK2,   JMP I K4628

4628  44628   TAD PNTCNT
4629  1136    TAD M24
4622  7440    S2A      /CHECK COUNTER
4623  7482    HLT      /JMP COUNTER WRONG
4624  1136    TAD PNTCNT
4625  7881    IAC      /ADVANCE COUNTER
4626  3136    DCA PNTCNT

        /JMP TEST 21 COUNTER=25
4627  1234    TAD PK3
4630  3494    DCA I K7776
4631  1235    TAD PK4
4632  3423    DCA I K1
4633  5454    JMP I K7776
4634  5423    PK3,   JMP I K1
4635  8457    PK4,   JMP I K4648
4636  7754    M24,   -24

4648  #4648   TAD PNTCNT
4640  1136    TAD M25
4641  1256    S2A      /CHECK COUNTER
4642  7440    HLT      /JMP COUNTER WRONG
4643  7422

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4644 1136 TAD PNTCNT
 4645 7021 IAC /ADVANCE COUNTER
 4646 3136 DCA PNTCNT

 /JMP TEST 22 COUNTER=26
 4647 1254 TAD PK5
 4650 3453 DCA I K7775
 4652 1255 TAD PK6
 4652 3424 DCA I K2
 4653 8453 JMP I K7775
 4654 3424 PK5,
 4655 8660 PK6,
 4656 7753 M25, JMP I K2
 4660 4660 -25

 4660 1136 #4660 TAD PNTCNT
 4661 1276 TAD M26
 4662 7440 SZA /CHECK COUNTER
 4663 7402 HLT /JMP COUNTER WRONG
 4664 1136 TAD PNTCNT
 4665 7001 IAC /ADVANCE COUNTER
 4666 3136 DCA PNTCNT

 /JMP TEST 23 COUNTER=27
 4667 1274 TAD PK7
 4670 3452 DCA I K7773
 4671 1275 TAD PK8
 4672 3425 DCA I K4
 4673 8452 JMP I K7773
 4674 3425 PK7,
 4675 8461 PK8,
 4676 7752 M26, JMP I K4
 4676 7752 -26

 4700 4700 #4700 TAD PNTCNT
 4700 1136 TAD M27
 4701 1316 SZA /CHECK COUNTER
 4702 7440 HLT /JMP COUNTER WRONG
 4703 7402 TAD PNTCNT
 4704 1136 IAC /ADVANCE COUNTER
 4705 7001 DCA PNTCNT

 /JMP TEST 24 COUNTER=30
 4707 1314 TAD PK9
 4710 3451 DCA I K7767
 4711 1315 TAD PK10
 4712 3426 DCA I K10
 4713 8451 JMP I K7767
 4714 3426 PK9,
 4715 5462 PK10,
 4716 7751 M27, JMP I K10
 4716 7751 -27

 4720 4720 #4720 TAD PNTCNT
 4720 1136

4721 1336 TAD M30
 4722 7440 SZA /CHECK COUNTER
 4723 7402 HLT /JMP COUNTER WRONG
 4724 1136 TAD PNTCNT
 4725 7001 IAC /ADVANCE COUNTER
 4726 3136 DCA PNTCNT

 /JMP TEST 25 COUNTER=31
 4727 1334 TAD PK11
 4730 3450 DCA I K7757
 4731 1335 TAD PK12
 4732 3427 DCA I K20
 4733 8450 JMP I K7757
 4734 5427 PK11,
 4735 5463 PK12,
 4736 7750 M30, JMP I K20
 4736 7750 -30

 4740 4740 #4740 TAD PNTCNT
 4741 1336 TAD M31
 4742 7440 SZA /CHECK COUNTER
 4743 7402 HLT /JMP COUNTER WRONG
 4744 1136 TAD PNTCNT
 4745 7001 IAC /ADVANCE COUNTER
 4746 3136 DCA PNTCNT

 /JMP TEST 26 COUNTER=32
 4747 1354 TAD PK13
 4750 3447 DCA I K7737
 4751 1355 TAD PK14
 4752 8430 DCA I K40
 4753 5447 JMP I K7737
 4754 5430 PK13,
 4755 5464 PK14,
 4756 7747 M31, JMP I K40
 4756 7747 -31

 4760 4760 #4760 TAD PNTCNT
 4761 1336 TAD M32
 4762 7440 SZA /CHECK COUNTER
 4763 7402 HLT /JMP COUNTER WRONG
 4764 1136 TAD PNTCNT
 4765 7001 IAC /ADVANCE COUNTER
 4766 3136 DCA PNTCNT

 /JMP TEST 27 COUNTER=33
 4767 1374 TAD PK15
 4770 3446 DCA I K7677
 4771 1375 TAD PK16
 4772 3431 DCA I K100
 4773 5446 JMP I K7677
 4774 5431 PK15,
 4775 5465 PK16,
 4776 7746 M32, JMP I K100
 4776 7746 -32

5000	5000	*5000
5001	1136	TAD PNTCNT
5002	1216	TAD M33
5003	7440	SEA
5004	7402	HLT
5005	1136	TAD PNTCNT
5006	7001	IAC
	3136	DCA PNTCNT

/CHECK COUNTER
/JMP COUNTER WRONG
/ADVANCE COUNTER

5007	1214	/JMP TEST 28 COUNTER=34
5010	3445	TAD PK17
5011	1215	DCA I K7577
5012	3432	TAD PK18
5013	9445	DCA I K200
5014	5432	JMP I K7577
5015	5466	PK17, JMP I K200
5016	7745	PK18, JMP I K5020
		M33, -33
5020	5020	*5020
5021	1136	TAD PNTCNT
5022	1236	TAD M34
5023	7440	SEA
5024	7402	HLT
5025	1136	TAD PNTCNT
5026	7001	IAC
	3136	DCA PNTCNT
5027	1234	/JMP TEST 29 COUNTER=35
5030	3444	TAD PK19
5031	1235	DCA I K7377
5032	3433	TAD PK20
5033	9444	DCA I K400
5034	5433	JMP I K7377
5035	5467	PK19, JMP I K400
5036	7744	PK20, JMP I K5040
		M34, -34
5040	5040	*5040
5041	1136	TAD PNTCNT
5042	1256	TAD M35
5043	7440	SEA
5044	7402	HLT
5045	1136	TAD PNTCNT
5046	7001	IAC
	3136	DCA PNTCNT
5047	1254	/JMP TEST 30 COUNTER=36
5050	3443	TAD PK21
5051	1255	DCA I K6777
5052	3434	TAD PK22
		DCA I K1000

5053	8443	/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71, 15147 PAGE 1-14
5054	5434	JMP I K6777
5055	8470	PK21, JMP I K1000
5056	7743	PK22, JMP I K5068
		M35, -35
5060	5060	*5060
5061	1136	TAD PNTCNT
5062	1276	TAD M36
5063	7440	SEA
5064	7402	HLT
5065	1136	TAD PNTCNT
5066	7001	IAC
	3136	DCA PNTCNT
5067	1274	/JMP TEST 31 COUNTER=37
5070	3442	TAD PK23
5071	1275	DCA I K5777
5072	3435	TAD PK24
5073	8442	DCA I K2000
5074	8435	JMP I K5777
5075	8471	PK23, JMP I K2000
5076	7742	PK24, JMP I K5100
		M36, -36
5100	5100	*5100
5101	1136	TAD PNTCNT
5102	1316	TAD M37
5103	7440	SEA
5104	7402	HLT
5105	1136	TAD PNTCNT
5106	7001	IAC
	3136	DCA PNTCNT
5107	1314	/JMP TEST 32 COUNTER=48
5110	3437	TAD PK25
5111	1315	DCA I K3777
5112	3436	TAD PK26
5113	5437	DCA I K4000
5114	8436	JMP I K3777
5115	5472	PK25, JMP I K4000
5116	7741	PK26, JMP I K5128
		M37, -37
5120	5120	*5120
5121	1136	TAD PNTCNT
5122	1336	TAD M40
5123	7440	SEA
5124	7402	HLT
5125	1136	TAD PNTCNT
5126	7001	IAC
	3136	DCA PNTCNT

/CHECK COUNTER
/JMP COUNTER WRONG
/ADVANCE COUNTER

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5127 1334      /JMP TEST 33 COUNTER=41
5130 3422      TAD PK27
5131 1355      DCA I K0
5132 3455      TAD PK28
5133 5422      DCA I K7777
5134 5455      JMP I K0
5135 5473      PK27, JMP I K7777
5136 7740      PK28, JMP I K5140
5136 7740      M40, -40

5140 *5140
5140 1136      TAD PNTCNT
5141 1356      TAD M41
5142 7440      SZA      /CHECK COUNTER
5143 7482      HLT      /JMP COUNTER WRONG
5144 1136      TAD PNTCNT
5145 7001      IAC      /ADVANCE COUNTER
5146 3136      DCA PNTCNT

5147 1354      /JMP TEST 34 COUNTER=42
5150 3423      TAD PK29
5151 1355      DCA I K1
5152 3454      TAD PK30
5153 5423      DCA I K7776
5154 5454      JMP I K1
5155 5474      PK29, JMP I K7776
5156 7737      PK30, JMP I K5160
5156 7737      M41, -41

5160 *5160
5160 1136      TAD PNTCNT
5161 1376      TAD M42
5162 7440      SZA      /CHECK COUNTER
5163 7402      HLT      /JMP COUNTER WRONG
5164 1136      TAD PNTCNT
5165 7001      IAC      /ADVANCE COUNTER
5166 3136      DCA PNTCNT

5167 1374      /JMP TEST 35 COUNTER=43
5170 3424      TAD PK31
5171 1375      DCA I K2
5172 3453      TAD PK32
5173 5424      DCA I K7775
5174 5453      JMP I K2
5175 5475      PK31, JMP I K7775
5176 7736      PK32, JMP I K5200
5176 7736      M42, -42

5200 *5200
5200 1136      TAD PNTCNT
5201 1216      TAD M43
5202 7440      SZA      /CHECK COUNTER
5203 7402      HLT      /JMP COUNTER WRONG
5204 1136      TAD PNTCNT

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/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71 15147 PAGE 1-16
5205 7001      IAC      /ADVANCE COUNTER
5206 3136      DCA PNTCNT

5207 1214      /JMP TEST 36 COUNTER=44
5210 3425      TAD PK33
5211 1215      DCA I K4
5212 3452      TAD PK34
5213 5425      DCA I K7773
5214 5452      JMP I K4
5215 5476      PK33, JMP I K7773
5215 5476      PK34, JMP I K5220
5216 7735      M43, -43

5220 *5220
5220 1136      TAD PNTCNT
5221 1236      TAD M44
5222 7440      SZA      /CHECK COUNTER
5223 7482      HLT      /JMP COUNTER WRONG
5224 1136      TAD PNTCNT
5225 7001      IAC      /ADVANCE COUNTER
5226 3136      DCA PNTCNT

5227 1234      /JMP TEST 37 COUNTER=45
5230 3426      TAD PK35
5231 1235      DCA I K10
5232 3451      TAD PK36
5233 5426      DCA I K7767
5234 5451      JMP I K10
5235 5502      PK35, JMP I K7767
5235 5502      PK36, JMP I K5240
5236 7734      M44, -44

5240 *5240
5240 1136      TAD PNTCNT
5241 1256      TAD M45
5242 7440      SZA      /CHECK COUNTER
5243 7402      HLT      /JMP COUNTER WRONG
5244 1136      TAD PNTCNT
5245 7001      IAC      /ADVANCE COUNTER
5246 3136      DCA PNTCNT

5247 1254      /JMP TEST 3 COUNTER=46
5250 3427      TAD PK37
5251 1255      DCA I K20
5252 3450      TAD PK38
5253 5427      DCA I K7757
5254 5450      PK37, JMP I K20
5255 5503      PK38, JMP I K5260
5256 7733      M45, -45

5260 *5260
5260 1136      TAD PNTCNT
5261 1276      TAD M46

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5262	7440	SEA	/CHECK COUNTER
5263	7402	-LT	/JMP COUNTER WRONG
5264	1136	TAD PNTCNT	
5265	7001	AC	/ADVANCE COUNTER
5266	3136	DCA PNTCNT	
		/JMP TEST 39 COUNTER=47	
5267	1274	TAD PK39	
5270	3430	DCA I K40	
5271	1275	TAD PK40	
5272	3447	DCA I K7737	
5273	5430	JMP I K40	
5274	5447	PK39,	JMP I K7737
5275	5584	PK40,	JMP I K5388
5276	7732	M46,	-46
		5300	*5300
5300	1136	TAD PNTCNT	
5301	1316	TAD M47	
5302	7440	SEA	/CHECK COUNTER
5303	7402	HLT	/JMP COUNTER WRONG
5304	1136	TAD PNTCNT	
5305	7001	IAC	/ADVANCE COUNTER
5306	3136	DCA PNTCNT	
		/JMP TEST 40 COUNTER=58	
5307	1314	TAD PK41	
5310	3431	DCA I K100	
5311	1315	TAD PK42	
5312	3446	DCA I K7677	
5313	5431	JMP I K500	
5314	5446	PK41,	JMP I K7677
5315	5505	PK42,	JMP I K5328
5316	7731	M47,	-47
		5320	*5320
5320	1136	TAD PNTCNT	
5321	1336	TAD M58	
5322	7440	SEA	/CHECK COUNTER
5323	7402	HLT	/JMP COUNTER WRONG
5324	1136	TAD PNTCNT	
5325	7001	IAC	/ADVANCE COUNTER
5326	3136	DCA PNTCNT	
		/JMP TEST 41 COUNTER=51	
5327	1334	TAD PK43	
5330	3432	DCA I K200	
5331	1335	TAD PK44	
5332	3445	DCA I K7577	
5333	5432	JMP I K200	
5334	5445	PK43,	JMP I K7577
5335	5586	PK44,	JMP I K5348
5336	7730	M50,	-50

		/BASIC JMP-JMS TEST PAL18 V141 9-JUN-71 15147 PAGE 1-18	
5340	85340		
5340	1136	TAD PNTCNT	
5341	1356	TAD M51	
5342	7440	SEA	/CHECK COUNTER
5343	7402	HLT	/JMP COUNTER WRONG
5344	1136	TAD PNTCNT	
5345	7001	IAC	/ADVANCE COUNTER
5346	3136	DCA PNTCNT	
		/JMP TEST 42 COUNTER=52	
5347	1354	TAD PK45	
5350	3433	DCA I K400	
5351	1355	TAD PK46	
5352	3444	DCA I K7377	
5353	5433	JMP I K400	
5354	5444	PK45,	JMP I K7377
5355	5587	PK46,	JMP I K5360
5356	7727	M51,	-51
		5360	*5360
5360	1136	TAD PNTCNT	
5361	1376	TAD M52	
5362	7440	SEA	/CHECK COUNTER
5363	7402	HLT	/JMP COUNTER WRONG
5364	1136	TAD PNTCNT	
5365	7001	IAC	/ADVANCE COUNTER
5366	3136	DCA PNTCNT	
		/JMP TEST 43 COUNTER=53	
5367	1374	TAD PK47	
5370	3434	DCA I K1000	
5371	1375	TAD PK48	
5372	3443	DCA I K6777	
5373	5434	JMP I K2000	
5374	5443	PK47,	JMP I K6777
5375	5510	PK48,	JMP I K5400
5376	7726	M52,	-52
		5400	*5400
5400	1136	TAD PNTCNT	
5401	1216	TAD M53	
5402	7440	SEA	/CHECK COUNTER
5403	7402	HLT	/JMP COUNTER WRONG
5404	1136	TAD PNTCNT	
5405	7001	IAC	/ADVANCE COUNTER
5406	3136	DCA PNTCNT	
		/JMP TEST 44 COUNTER=54	
5407	1214	TAD PK49	
5410	3435	DCA I K2000	
5411	1215	TAD PK50	
5412	3442	DCA I K5777	
5413	5435	JMP I K2000	
5414	5442	PK49,	JMP I K5777

5415	5511	PK50,	JMP I K5420
5416	7725	M53,	-53
			5420
5420	1136		TAD PNTCNT
5421	1236		TAD M54
5422	7440		S2A /CHECK COUNTER
5423	7402		HLT /JMP COUNTER WRONG
5424	1136		TAD PNTCNT
5425	7001		IAC /ADVANCE COUNTER
5426	3136		DCA PNTCNT
			/JMP TEST 45 COUNTER=55
5427	1234		TAD PK51
5430	3436		OCA I K4800
5431	1235		TAD PK52
5432	3437		OCA I K3777
5433	9436		JMP I K4800
5434	5437	PK51,	JMP I K3777
5435	5512	PK52,	JMP I K9448
5436	7724	M54,	-54
			5440
5440	1136		TAD PNTCNT
5441	1250		TAD M55
5442	7440		SEA /CHECK COUNTER
5443	7402		HLT /JMP COUNTER WRONG
5444	1136		TAD PNTCNT
5445	7001		IAC /ADVANCE COUNTER
5446	3136		DCA PNTCNT
			/JMS TEST 1 COUNTER=56
5447	8651		JMP I AFRM
5450	7723	M55,	-55
5451	2002	AFRM,	FRM
			2002
2002	4203	FRM,	JMS TO
2003	5203	TO,	JMP
2004	1136		TAD PNTCNT
2005	1222		TAD M56
2006	7440		SEA /CHECK COUNTER
2007	7402		HLT /JMP COUNTER WRONG
2010	1224		TAD AFRM
2011	7041		CIA
2012	1203		TAD TO
2013	7440		SEA /CHECK STORED ADDRESS
2014	7402		HLT /JMS FAILED
2015	3203		OCA TO /CLEAR STORED PC
2016	1136		TAD PNTCNT
2017	7001		IAC
2020	3136		DCA PNTCNT
2021	7410		SKP
2022	7722	M56,	-56

2023	7410		SKP
2024	2003	AFM,	FRM+1
			/JMS TEST 2 COUNTER=57
2025	4227		JMS TO1
2026	7402	FRM1,	HLT
2027	5227	TO1,	JMP
2030	1136		TAD PNTCNT
2031	1246		TAD M57
2032	7440		SEA /CHECK COUNTER
2033	7402		HLT /JMP COUNTER WRONG
2034	1250		TAD AFRM1
2035	7041		CIA
2036	1227		TAD TO1
2037	7440		SEA /CHECK STORED ADDRESS
2040	7402		HLT /JMS FAILED
2041	3227		DCA TO1 /CLEAR STORED PC
2042	1136		TAD PNTCNT
2043	7001		IAC
2044	3136		DCA PNTCNT
2045	7410		SKP
			2046
2046	7721	M57,	-57
2047	7410		SKP
2050	2026	AFRM1,	FRM1
			/JMS TEST 3 COUNTER=60
2051	4254		JMS TO2
2052	7402	FRM2,	HLT
2053	7402		HLT
2054	5254	TO2,	JMP
2055	1136		TAD PNTCNT
2056	1273		TAD M60
2057	7440		SEA /CHECK COUNTER
2060	7402		HLT /JMP COUNTER WRONG
2061	1273		TAD AFRM2
2062	7041		CIA
2063	1254		TAD TO2
2064	7440		SEA /CHECK STORED ADDRESS
2065	7402		HLT /JMS FAILED
2066	3254		DCA TO2 /CLEAR STORED PC
2067	1136		TAD PNTCNT
2070	7001		IAC
2071	3136		DCA PNTCNT
2072	7410		SKP
2073	2052	AFRM2,	FRM2
2074	7410		SKP
2075	7720	M60,	-60
			/JMS TEST 4 COUNTER=61
2076	4302		JMS TO3
2077	7402	FRM3,	HLT
2100	7402		HLT
2101	7402		HLT

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2102 5382    T03,    JMP .
2103 1136     TAD PNTCNT
2104 1323     TAD M61
2105 7440     SEA      /CHECK COUNTER
2106 7482     HLT      /JMP COUNTER WRONG
2107 1321     TAD AFRM3
2110 7041     CIA
2111 1302     TAD T03
2112 7440     SEA      /CHECK STORED ADDRESS
2113 7482     HLT      /JMS FAILED
2114 3382     DCA T03
2115 1136     TAD PNTCNT
2116 7001     IAC
2117 3136     DCA PNTCNT
2120 7410     SKP
2121 2077     AFRM3,  FRM3
2122 7410     SKP
2123 7717     M61,    -61

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2124 4330     /JMS TEST 5 COUNTER=62
2125 7482     JMS T04
2126 7482     HLT
2127 7482     HLT
2128 9338     HLT
2129 1136     T04,    JMP .
2130 1351     TAD PNTCNT
2131 7440     TAD M62
2132 1351     SEA      /CHECK COUNTER
2133 7482     HLT      /JMP COUNTER WRONG
2134 1347     TAD AFRM4
2135 1347     CIA
2136 7001     TAD T04
2137 1330     SEA      /CHECK STORED ADDRESS
2138 7440     HLT      /JMS FAILED
2139 3330     DCA T04
2140 1136     TAD PNTCNT
2141 7482     TAD M62
2142 7410     IAC
2143 2125     DCA PNTCNT
2144 7001     SKP
2145 3136     FRM4
2146 7410     SKP
2147 2125     AFRM4,  FRM4
2148 7410     SKP
2149 7716     M62,    -62

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/JMS TEST 6 COUNTER=63

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2150 4356     JMS T05
2151 7482     FRM5,
2152 7482     HLT
2153 7482     HLT
2154 7482     HLT
2155 7482     T05,    JMP .
2156 9356     TAD PNTCNT
2157 1136     TAD M63
2158 1377     SEA      /CHECK COUNTER
2159 7440

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/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71 18147 PAGE 1-22
2160 7482     HLT      /JMP COUNTER WRONG
2161 1375     TAD AFRM5
2162 7041     CIA
2163 1356     TAD T05
2164 7440     SEA      /CHECK STORED ADDRESS
2165 1356     HLT      /JMS FAILED
2166 7440     DCA T05
2167 7482     TAD PNTCNT
2168 3356     TAD M63
2169 1136     /CLEAR STORED PC
2170 7001     IAC
2171 3136     DCA PNTCNT
2172 7410     SKP
2173 2153     AFRM5,  FRM5
2174 7410     SKP
2175 7715     M63,    -63

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PAUSE

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/TAPE # 2
2200 7000     /JMS TEST 7 COUNTER=64
2201 4202     NOP
2202 4202     JMS T06
2203 3282     T06,    JMP .
2204 1136     TAD PNTCNT
2205 1221     TAD M64
2206 7440     SEA      /CHECK COUNTER
2207 7482     HLT      /JMP COUNTER WRONG
2208 7041     TAD T06
2209 1223     CIA
2210 7440     TAD AT06
2211 1223     SEA      /CHECK STORED ADDRESS
2212 7440     HLT      /JMS FAILED
2213 7482     DCA T06
2214 3282     /CLEAR STORED PC
2215 1136     TAD PNTCNT
2216 7001     IAC
2217 3136     DCA PNTCNT
2218 7410     SKP
2219 7714     M64,    -64
2220 7410     SKP
2221 2282     AT06,   T06

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/JMS TEST 8 COUNTER=65

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2222 4226     JMS T07
2223 7482     FRM7,
2224 5226     HLT
2225 7482     T07,    JMP .
2226 1136     TAD PNTCNT
2227 1245     TAD M65
2228 7440     SEA      /CHECK COUNTER
2229 7402     HLT      /JMP COUNTER WRONG
2230 1247     TAD AFRM7
2231 7440     CIA
2232 7402     TAD T07
2233 1247
2234 7041
2235 1226

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2236 7440 S2A /CHECK STORED ADDRESS
 2237 7422 HLT /JMS FAILED
 2240 3226 DCA T07 /CLEAR STORED PC
 2241 1136 TAD PNTCNT
 2242 7001 IAC
 2243 3136 DCA PNTCNT
 2244 7410 SKP
 2245 7713 M65, -65
 2246 7410 SKP
 2247 2225 AFRM7, FRM7

/JMS TEST 9 COUNTER=66
 2250 4253 JMS T08
 2251 7422 FRM8, HLT
 2252 7402 HLT
 2253 5253 T08, JMP,
 2254 1136 TAD PNTCNT
 2255 1274 TAD M66
 2256 7440 S2A /CHECK COUNTER
 2257 7402 HLT /JMP COUNTER WRONG
 2260 1253 TAD T08
 2261 7041 CIA
 2262 1272 TAD AFRM8
 2263 7440 S2A /CHECK STORED ADDRESS
 2264 7402 HLT /JMS FAILED
 2265 3253 DCA T08 /CLEAR STORED PC
 2266 1136 TAD PNTCNT
 2267 7001 IAC
 2270 3136 DCA PNTCNT
 2271 7410 SKP
 2272 2251 AFRM8, FRM8
 2273 7410 SKP
 2274 7712 M66, -66

/JMS TEST 10 COUNTER=67
 2275 4301 JMS T09
 2276 7422 FRM9, HLT
 2277 7402 HLT
 2300 7402 HLT
 2301 5301 T09, JMP,
 2302 1136 TAD PNTCNT
 2303 1322 TAD M67
 2304 7440 S2A /CHECK COUNTER
 2305 7402 HLT /JMP COUNTER WRONG
 2306 1301 TAD T09
 2307 7041 CIA
 2310 1320 TAD AFRM9
 2311 7440 S2A /CHECK STORED ADDRESS
 2312 7402 HLT /JMS FAILED
 2313 3301 DCA T09 /CLEAR STORED PC
 2314 1136 TAD PNTCNT
 2315 7001 IAC
 2316 3136 DCA PNTCNT
 2317 7410 SKP

2320 2276 AFRM9, FRM9
 2321 7410 SKP
 2322 7711 M67, -67

/JMS TEST 11 COUNTER =70
 2323 4330 JMS T010
 2324 7402 FRM10, HLT
 2325 7402 HLT
 2326 7402 HLT
 2327 7402 HLT
 2330 5330 T010, JMP,
 2331 1136 TAD PNTCNT
 2332 1351 TAD M70
 2333 7440 S2A /CHECK COUNTER
 2334 7402 HLT /JMP COUNTER WRONG
 2335 1330 TAD T010
 2336 7041 CIA
 2337 1347 TAD AFRM10
 2340 7440 S2A /CHECK STORED ADDRESS
 2341 7402 HLT /JMS FAILED
 2342 3300 DCA T010 /CLEAR STORED PC
 2343 1136 TAD PNTCNT
 2344 7001 IAC
 2345 3136 DCA PNTCNT
 2346 7410 SKP
 2347 2924 AFRM10, FRM10
 2350 7410 SKP
 2351 7710 M70, -70

/JMS TEST 11 COUNTER=71
 2352 4356 JMS T011
 2353 7402 FRM11, HLT
 2354 7402 HLT
 2355 7402 HLT
 2356 5356 T011, JMP,
 2357 1136 TAD PNTCNT
 2360 1377 TAD M71
 2361 7440 S2A /CHECK COUNTER
 2362 7402 HLT /JMP COUNTER WRONG
 2363 1356 TAD T011
 2364 7041 CIA
 2365 1375 TAD AFRM11
 2366 7440 S2A /CHECK STORED ADDRESS
 2367 7402 HLT /JMS FAILED
 2370 3356 DCA T011 /CLEAR STORED PC
 2371 1136 TAD PNTCNT
 2372 7001 IAC
 2373 3136 DCA PNTCNT
 2374 7410 SKP
 2375 2353 AFRM11, FRM11
 2376 7410 SKP
 2377 7727 M71, -71

2420 *2400

2480	1285	TAD RK1	
2481	3425	DCA I K7777	
2482	1286	TAD RK2	
2483	3423	DCA I K1	
2484	9423	JMP I K1	
2485	5537	RK1, JMP I K2418	
2486	4454	RK2, JMS I K7774	
2410 *2410			
2410	1136	TAD PNTCNT	
2411	1293	TAD M72	
2412	7440	SEA	/CHECK COUNTER
2413	7402	HLT	/JMP COUNTER WRONG
2414	1454	TAD I K7776	
2415	1054	TAD K7776	
2416	7440	SEA	/CHECK STORED ADDRESS
2417	7402	HLT	/JMS FAILED
2420	3454	DCA I K7776	/CLEAR STORED ADDRESS
2421	1136	TAD PNTCNT	
2422	7081	IAC	/ADVANCE COUNTER
2423	3136	DCA PNTCNT	
2424 *2424			
2424	1231	TAD RK3	
2425	3454	DCA I K7776	
2426	1232	TAD RK4	
2427	3424	DCA I K2	
2430	9424	JMP I K2	
2431	5540	RK3, JMP I K2448	
2432	4453	RK4, JMS I K7775	
2433	7786	M72, -72	
2440 *2440			
2440	1136	TAD PNTCNT	
2441	1263	TAD M73	
2442	7440	SEA	/CHECK COUNTER
2443	7402	HLT	/JMP COUNTER WRONG
2444	1453	TAD I K7775	
2445	1053	TAD K7775	
2446	7440	SEA	/CHECK STORED ADDRESS
2447	7402	HLT	/JMS FAILED
2450	3493	DCA I K7775	/CLEAR STORED ADDRESS
2451	1136	TAD PNTCNT	
2452	7081	IAC	/ADVANCE COUNTER
2453	3136	DCA PNTCNT	
2454 1261 /JMS TEST 14 COUNTER=74			
2454	1261	TAD RK5	

2455	3644	DCA I K7774	
2456	1242	TAD RK6	
2457	3425	DCA I K4	
2460	9425	JMP I K4	
2461	8941	RK5, JMP I K2478	
2462	4452	RK6, JMS I K7773	
2463	7785	M73, -73	
2464	7774	K7774, 7774	
2470 *2470			
2470	1136	TAD PNTCNT	
2471	1313	TAD M74	
2472	7440	SEA	/CHECK COUNTER
2473	7402	HLT	/JMP COUNTER WRONG
2474	1452	TAD I K7773	
2475	1052	TAD K7773	
2476	7440	SEA	/CHECK STORED ADDRESS
2477	7402	HLT	/JMS FAILED
2500	3492	DCA I K7773	/CLEAR STORED ADDRESS
2501	1136	TAD PNTCNT	
2502	7081	IAC	/ADVANCE COUNTER
2503	3136	DCA PNTCNT	
2504 1311 /JMS TEST 15 COUNTER=75			
2505	3714	DCA I K7778	
2506	1332	TAD RK8	
2507	3426	DCA I K18	
2510	8426	JMP I K18	
2511	9542	RK7, JMP I K2528	
2512	4451	RK8, JMS I K7767	
2513	7784	M74, -74	
2514	7770	K7778, 7770	
2520 *2520			
2520	1136	TAD PNTCNT	
2521	1343	TAD M75	
2522	7440	SEA	/CHECK COUNTER
2523	7402	HLT	/JMP COUNTER WRONG
2524	1451	TAD I K7767	
2525	1051	TAD K7767	
2526	7440	SEA	/CHECK STORED ADDRESS
2527	7402	HLT	/JMS FAILED
2530	3451	DCA I K7767	/CLEAR STORED ADDRESS
2531	1136	TAD PNTCNT	
2532	7081	IAC	/ADVANCE COUNTER
2533	3136	DCA PNTCNT	
2534 1341 /JMS TEST 16 COUNTER=76			
2535	3744	DCA I K7768	
2536	1342	TAD RK10	
2537	3427	DCA I K20	
2540	5427	JMP I K20	

2541	5543	RK9,	JMP I K2600
2542	4450	RK10,	JMS I K7757
2543	7703	M75,	-75
2544	7760	K7760,	7760
2600	2600		
2600	1136	TAD PNTCNT	
2601	1223	TAD M76	
2602	7440	SEA	/CHECK COUNTER
2603	7402	HLT	/JMP COUNTER WRONG
2604	1450	TAD I K7757	
2605	1050	TAD K7757	
2606	7440	SEA	/CHECK STORED ADDRESS
2607	7402	HLT	/JMS FAILED
2610	3450	DCA I K7757	/CLEAR STORED ADDRESS
2611	1136	TAD PNTCNT	
2612	7001	IAC	/ADVANCE COUNTER
2613	3136	DCA PNTCNT	
/JMS TEST 17 COUNTER=77			
2614	1221	TAD RK11	
2615	3624	DCA I K7740	
2616	1222	TAD RK12	
2617	3430	DCA I K40	
2620	5430	JMP I K40	
2621	5544	RK11,	JMP I K2638
2622	4447	RK12,	JMS I K7737
2623	7702	M76,	-76
2624	7740	K7740,	7740
2630	2630		
2630	1136	TAD PNTCNT	
2631	1253	TAD M77	
2632	7440	SEA	/CHECK COUNTER
2633	7402	HLT	/JMP COUNTER WRONG
2634	1447	TAD I K7737	
2635	1047	TAD K7737	
2636	7440	SEA	/CHECK STORED ADDRESS
2637	7402	HLT	/JMS FAILED
2640	3447	DCA I K7737	/CLEAR STORED ADDRESS
2641	1136	TAD PNTCNT	
2642	7001	IAC	/ADVANCE COUNTER
2643	3136	DCA PNTCNT	
/JMS TEST 18 COUNTER=108			
2644	1251	TAD RK13	
2645	3654	DCA I K7700	
2646	1252	TAD RK14	
2647	3431	DCA I K100	
2650	5431	JMP I K100	
2651	5545	RK13,	JMP I K2668
2652	4446	RK14,	JMS I K7677
2653	7701	M77,	-77
2654	7700	K7700,	7700

2660	2660		
2660	1136	TAD PNTCNT	
2661	1383	TAD M100	
2662	7440	SEA	/CHECK COUNTER
2663	7402	HLT	/JMS COUNTER WRONG
2664	1446	TAD I K7677	
2665	1046	TAD K7677	
2666	7440	SEA	/CHECK STORED ADDRESS
2667	7402	HLT	/JMS FAILED
2670	3446	DCA I K7677	/CLEAR STORED ADDRESS
2671	1136	TAD PNTCNT	
2672	7001	IAC	/ADVANCE COUNTER
2673	3136	DCA PNTCNT	
/JMS TEST 19 COUNTER=101			
2674	1301	TAD RK15	
2675	3704	DCA I K7600	
2676	1302	TAD RK16	
2677	3432	DCA I K200	
2700	5432	JMP I K200	
2781	5546	RK15,	JMP I K2710
2782	4445	RK16,	JMS I K7577
2783	7700	M100,	-100
2784	7600	K7600,	7600
2710	2710		
2710	1136	TAD PNTCNT	
2711	1333	TAD M101	
2712	7440	SEA	/CHECK COUNTER
2713	7402	HLT	/JMP COUNTER WRONG
2714	1445	TAD I K7577	
2715	1045	TAD K7577	
2716	7440	SEA	/CHECK STORED ADDRESS
2717	7402	HLT	/JMS FAILED
2720	3445	DCA I K7577	/CLEAR STORED ADDRESS
2721	1136	TAD PNTCNT	
2722	7001	IAC	/ADVANCE COUNTER
2723	3136	DCA PNTCNT	
/JMS TEST 20 COUNTER=102			
2724	1331	TAD RK17	
2725	3734	DCA I K7400	
2726	1332	TAD RK18	
2727	3433	DCA I K400	
2730	5433	JMP I K400	
2731	5547	RK17,	JMP I K2740
2732	4444	RK18,	JMS I K7377
2733	7677	M101,	-101
2734	7400	K7400,	7400
2740	2740		
2740	1136	TAD PNTCNT	

2741	1363	TAD M102	
2742	7443	S2A	/CHECK COUNTER
2743	7402	HLT	/JMP COUNTER WRONG
2744	1444	TAD I K7377	
2745	1044	TAD K7377	
2746	7440	S2A	/CHECK STORED ADDRESS
2747	7402	HLT	/JMS FAILED
2750	3444	DCA I K7377	/CLEAR STORED ADDRESS
2751	1136	TAD PNTCNT	
2752	7001	IAC	/ADVANCE COUNTER
2753	3136	DCA PNTCNT	

/JMS TEST 21 COUNTER=103

2754	1361	TAD RK19	
2755	3764	DCA I K7000	
2756	1362	TAD RK20	
2757	3434	DCA I K1000	
2760	5334	JMP I K1000	
2761	8550	RK19,	JMP I K3000
2762	4443	RK20,	JMS I K6777
2763	7076	M102,	-102
2764	7000	K7000,	7000
	3000	*3000	
3000	1136	TAD PNTCNT	
3001	1223	TAD M103	
3002	7440	S2A	/CHECK COUNTER
3003	7482	HLT	/JMP COUNTER WRONG
3004	1443	TAD I K6777	
3005	1043	TAD K6777	
3006	7440	S2A	/CHECK STORED ADDRESS
3007	7482	HLT	/JMS FAILED
3010	3443	DCA I K6777	/CLEAR STORED ADDRESS
3011	1136	TAD PNTCNT	
3012	7001	IAC	/ADVANCE COUNTER
3013	3136	DCA PNTCNT	

/JMS TEST 22 COUNTER=104

3014	1221	TAD RK21	
3015	3624	DCA I K6000	
3016	1222	TAD RK22	
3017	3435	DCA I K2000	
3020	8435	JMP I K2000	
3021	8551	RK21,	JMP I K3030
3022	4442	RK22,	JMS I K5777
3023	7675	M103,	-103
3024	6000	K6000,	6000

3030	3830	*3030	
3030	1136	TAD PNTCNT	
3031	1253	TAD M104	
3032	7440	S2A	/CHECK COUNTER
3033	7482	HLT	/JMP COUNTER WRONG
3034	1442	TAD I K5777	

3035	1042	TAD K5777	
3036	7440	S2A	/CHECK STORED ADDRESS
3037	7482	HLT	/JMS FAILED
3040	3442	DCA I K5777	/CLEAR STORED ADDRESS
3041	1136	TAD PNTCNT	
3042	7001	IAC	/ADVANCE COUNTER
3043	3136	DCA PNTCNT	

/JMS TEST 23 COUNTER=105

3044	1251	TAD RK23	
3045	3654	DCA I K4001	
3046	1252	TAD RK24	
3047	3437	DCA I K3777	
3050	8437	JMP I K3777	
3051	8552	RK23,	JMP I K3060
3052	4436	RK24,	JMS I K4000
3053	7674	M104,	-104
3054	4001	K4001,	4001

3060	3060	*3060	
3060	1136	TAD PNTCNT	
3061	1303	TAD M105	
3062	7440	S2A	/CHECK COUNTER
3063	7482	HLT	/JMP COUNTER WRONG
3064	1436	TAD I K4000	
3065	1036	TAD K4000	
3066	7440	S2A	/CHECK STORED ADDRESS
3067	7482	HLT	/JMS FAILED
3070	3436	DCA I K4000	/CLEAR STORED ADDRESS
3071	1136	TAD PNTCNT	
3072	7001	IAC	/ADVANCE COUNTER
3073	3136	DCA PNTCNT	

/JMS TEST 24 COUNTER=106

3074	1301	TAD RK25	
3075	3704	DCA I K2001	
3076	1302	TAD RK26	
3077	3442	DCA I K5777	
3100	8442	JMP I K5777	
3101	8553	RK25,	JMP I K3110
3102	4435	RK26,	JMS I K2000
3103	7673	M105,	-105
3104	2001	K2001,	2001

3110	3110	*3110	
3110	1136	TAD PNTCNT	
3111	1333	TAD M106	
3112	7440	S2A	/CHECK COUNTER
3113	7402	HLT	/JMP COUNTER WRONG
3114	1435	TAD I K2000	
3115	1035	TAD K2000	
3116	7440	S2A	/CHECK STORED ADDRESS
3117	7402	HLT	/JMS FAILED
3120	3435	DCA I K2000	/CLEAR STORED ADDRESS

3121 1136 TAD PNTCNT
 3122 7081 IAC /ADVANCE COUNTER
 3123 3136 DCA PNTCNT

 /JMS TEST 25 COUNTER=107
 3124 1331 TAD RK27
 3125 3734 DCA I K1081
 3126 1332 TAD RK28
 3127 3443 DCA K6777
 3130 5443 JMP I K6777
 3131 5554 RK27, JMP I K3140
 3132 4434 RK28, JMS I K1080
 3133 7672 M106, -106
 3134 1001 K1001, 1001

 3140 *3140
 3140 1136 TAD PNTCNT
 3141 1363 TAD M107
 3142 7440 SZA /CHECK COUNTER
 3143 7482 HLT /JMS COUNTER WRONG
 3144 1434 TAD I K1080
 3145 1034 TAD K1080
 3146 7440 SZA /CHECK STORED ADDRESS
 3147 7482 HLT /JMS FAILED
 3150 3434 DCA I K1080 /CLEAR STORED ADDRESS
 3151 1136 TAD PNTCNT
 3152 7081 IAC /ADVANCE COUNTER
 3153 3136 DCA PNTCNT

 /JMS TEST 26 COUNTER=118
 3154 1361 TAD RK29
 3155 3764 DCA I K481
 3156 1362 TAD RK30
 3157 3444 DCA K7377
 3158 5444 JMP K7377
 3161 5555 RK29, JMP I K3280
 3162 4433 RK30, JMS I K480
 3163 7671 M107, -107
 3164 0481 K481, 481

 3200 *3200
 3200 1136 TAD PNTCNT
 3201 1223 TAD M110
 3202 7440 SZA /CHECK COUNTER
 3203 7482 HLT /JMS COUNTER WRONG
 3204 1433 TAD I K480
 3205 1033 TAD K480
 3206 7440 SZA /CHECK STORED ADDRESS
 3207 7482 HLT /JMS FAILED
 3210 3433 DCA I K480 /CLEAR STORED ADDRESS
 3211 1136 TAD PNTCNT
 3212 7081 IAC /ADVANCE COUNTER
 3213 3136 DCA PNTCNT

/JMS TEST 27 COUNTER=111
 3214 1221 TAD RK31
 3215 3624 DCA I K281
 3216 1222 TAD RK32
 3217 3445 DCA I K7577
 3220 5445 JMP I K7577
 3221 5556 RK31, JMP I K3280
 3222 4432 RK32, JMS I K280
 3223 7670 M110, -110
 3224 0281 K281, 281

 3230 *3230
 3230 1136 TAD PNTCNT
 3231 1253 TAD M111
 3232 7440 SZA /CHECK COUNTER
 3233 7482 HLT /JMS COUNTER WRONG
 3234 1432 TAD I K280
 3235 1032 TAD K280
 3236 7440 SZA /CHECK STORED ADDRESS
 3237 7482 HLT /JMS FAILED
 3240 3432 DCA I K280 /CLEAR STORED ADDRESS
 3241 1136 TAD PNTCNT
 3242 7081 IAC /ADVANCE COUNTER
 3243 3136 DCA PNTCNT

 /JMS TEST 28 COUNTER =112
 3244 1251 TAD RK33
 3245 3654 DCA I K101
 3246 1252 TAD RK34
 3247 3446 DCA I K7677
 3250 5446 JMP I K7677
 3251 5557 RK33, JMP I K3280
 3252 4431 RK34, JMS I K100
 3253 7667 M111, -111
 3254 0101 K101, 101

 3260 *3260
 3260 1136 TAD PNTCNT
 3261 1303 TAD M112
 3262 7440 SZA /CHECK COUNTER
 3263 7482 HLT /JMS COUNTER WRONG
 3264 1431 TAD I K100
 3265 1031 TAD K100
 3266 7440 SZA /CHECK STORED ADDRESS
 3267 7482 HLT /JMS FAILED
 3270 3431 DCA I K100 /CLEAR STORED ADDRESS
 3271 1136 TAD PNTCNT
 3272 7081 IAC /ADVANCE COUNTER
 3273 3136 DCA PNTCNT

 /JMS TEST 29 COUNTER=113
 3274 1381 TAD RK35
 3275 3704 DCA I K41
 3276 1302 TAD RK36

3277	3447	DCA I K7737
3300	5447	JMP I K7737
3301	5560	RK35, JMS I K3310
3302	4530	RK36, JMS I K40
3303	7666	M112, -112
3304	0041	K41, 41
	3310	*3310
3310	1136	TAD PNTCNT
3311	1333	TAD M113
3312	7440	SZA /CHECK COUNTER
3313	7422	HLT /JMP COUNTER WRONG
3314	1630	TAD I K40
3315	1030	TAD K40
3316	7440	SZA /CHECK STORED ADDRESS
3317	7402	HLT /JMS FAILED
3320	3430	DCA I K40 /CLEAR STORED ADDRESS
3321	1136	TAD PNTCNT
3322	7001	IAC /ADVANCE COUNTER
3323	3136	DCA PNTCNT
		/JMS TEST 30 COUNTER=114
3324	1331	TAD RK37
3325	3734	DCA I K21
3326	1332	TAD RK38
3327	3450	DCA I K7757
3330	5450	JMP I K7757
3331	5561	RK37, JMS I K3340
3332	4427	RK38, JMS I K20
3333	7665	M113, -113
3334	0021	K21, 21
	3340	*3340
3340	1136	TAD PNTCNT
3341	1363	TAD M114
3342	7440	SZA /CHECK COUNTER
3343	7402	HLT /JMP COUNTER WRONG
3344	1427	TAD I K20
3345	1027	TAD K20
3346	7440	SZA /CHECK STORED ADDRESS
3347	7402	HLT /JMS FAILED
3350	3427	DCA I K20 /CLEAR STORED ADDRESS
3351	1136	TAD PNTCNT
3352	7001	IAC /ADVANCE COUNTER
3353	3136	DCA PNTCNT
		/JMS TEST 31 COUNTER=115
3354	1361	TAD RK39
3355	3764	DCA I K11
3356	1362	TAD RK40
3357	3491	DCA I K7767
3360	5451	JMP I K7767
3361	5562	RK39, JMP I K3400

		/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71 15:47 PAGE 1-34
3362	4426	RK40, JMS I K10
3363	7664	M114, -114
3364	0011	K11, 11
	3400	*3400
3400	1136	TAD PNTCNT
3401	1223	TAD M115
3402	7440	SZA /CHECK COUNTER
3403	7402	HLT /JMP COUNTER WRONG
3404	1426	TAD I K10
3405	1026	TAD K10
3406	7440	SZA /CHECK STORED ADDRESS
3407	7402	HLT /JMS FAILED
3410	3426	DCA I K10 /CLEAR STORED ADDRESS
3411	1136	TAD PNTCNT
3412	7001	IAC /ADVANCE COUNTER
3413	3136	DCA PNTCNT
		/JMS TEST 32 COUNTER=116
3414	1221	TAD RK41
3415	3624	DCA I K5
3416	1222	TAD RK42
3417	3452	DCA I K7773
3420	5452	JMP I K7773
3421	5563	RK41, JMP I K3430
3422	4425	RK42, JMS I K4
3423	7663	M115, -115
3424	0005	K5, 5
	3430	*3430
3430	1136	TAD PNTCNT
3431	1233	TAD M116
3432	7440	SZA /CHECK COUNTER
3433	7402	HLT /JMP COUNTER WRONG
3434	1425	TAD I K4
3435	1025	TAD K4
3436	7440	SZA /CHECK STORED ADDRESS
3437	7402	HLT /JMS FAILED
3440	3425	DCA I K4 /CLEAR STORED ADDRESS
3441	1136	TAD PNTCNT
3442	7001	IAC /ADVANCE COUNTER
3443	3136	DCA PNTCNT
		/JMS TEST 33 COUNTER=117
3444	1251	TAD RK43
3445	3654	DCA I K3
3446	1252	TAD RK44
3447	3453	DCA I K7775
3450	5453	JMP I K7775
3451	5564	RK43, JMP I K3460
3452	4424	RK44, JMS I K2
3453	7662	M116, -116
3454	0003	K3, 3

3460	3460		
3460	1136	TAD PNTCNT	
3461	1303	TAD M117	
3462	7440	SEA	/CHECK COUNTER
3463	7402	HLT	/JMP COUNTER WRONG
3464	1424	TAD I K2	
3465	1824	TAD K2	
3466	7440	SEA	/CHECK STORED ADDRESS
3467	7402	HLT	/JMS FAILED
3470	3424	DCA I K2	/CLEAR STORED ADDRESS
3471	1136	TAD PNTCNT	
3472	7001	IAC	/ADVANCE COUNTER
3473	3136	DCA PNTCNT	
/JMS TEST 34 COUNTER=120			
3474	1301	TAD RK45	
3475	3424	DCA I K2	
3476	1302	TAD RK46	
3477	3454	DCA I K7776	
3500	5454	JMP I K7776	
3501	5565	RK45,	
3502	4423	RK46,	
3503	7661	JMS I K1 M117, -117	
3510	3510		
3510	1136	TAD PNTCNT	
3511	1333	TAD M120	
3512	7440	SEA	/CHECK COUNTER
3513	7402	HLT	/JMP COUNTER WRONG
3514	1423	TAD I K1	
3515	1023	TAD K1	
3516	7440	SEA	/CHECK STORED ADDRESS
3517	7402	HLT	/JMS FAILED
3520	3423	DCA I K1	/CLEAR STORED ADDRESS
3521	1136	TAD PNTCNT	
3522	7001	IAC	/ADVANCE COUNTER
3523	3136	DCA PNTCNT	
/JMS TEST 35 COUNTER=121			
3524	1331	TAD RK47	
3525	3423	DCA I K1	
3526	1332	TAD RK48	
3527	3455	DCA I K7777	
3530	5455	JMP I K7777	
3531	5566	RK47,	
3532	4422	RK48,	
3533	7660	JMS I K0 M120, -120	
3540	3540		
3540	1136	TAD PNTCNT	
3541	1370	TAD M121	
3542	7440	SEA	/CHECK COUNTER
3543	7402	HLT	/JMP COUNTER WRONG

/BASIC JMP-JMS TEST PAL10 V141 9-JUN-71 15147 PAGE 1-36			
3544	1422	TAD I K0	
3545	1022	TAD K0	
3546	7440	SEA	/CHECK STORED ADDRESS
3547	7402	HLT	/JMS FAILED
3550	3422	DCA I K0	/CLEAR STORED ADDRESS
3551	1371	TAD BLCNT	
3552	7001	IAC	
3553	3371	DCA BLCNT	
3554	1371	TAD BLCNT	
3555	1372	TAD LIMIT	
3556	7640	SEA CLA	
3557	5766	JMP I BEL-1	
3560	3371	DCA BLCNT	
3561	1367	TAD BEL	
3562	6046	TLS	
3563	6041	TSF	
3564	5363	JMP .-1	
3565	5766	JMP I .+1	
3566	4200	4200	
3567	0287	BEL, 287	
3570	7697	M121, -121	
3571	0000	BLCNT, 0	
3572	1200	LIMIT, -6600	

